

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Margrit Betke, et al.

Appl. No. : 09/812,021

Filed : March 19, 2001

ENTITLED : AUTOMATED METHOD AND  
SYSTEM FOR THE DETECTION,  
COMPARISON AND VOLUMETRIC  
QUANTIFICATION OF PULMONARY  
NODULES ON MEDICAL COMPUTED  
TOMOGRAPHY SCANS

Docket : MGH-010AUS

Group Art Unit: Not yet assigned

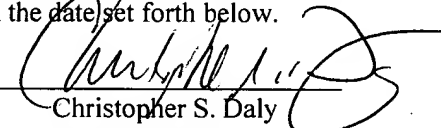
Examiner: Not yet assigned

Certificate of Mailing (37 C.F.R. 1.8(a))

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first-class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on the date set forth below.

1 AUG 01  
Date of Signature  
and Mail Deposit

By:

  
Christopher S. Daly  
Reg. No. 37,303  
Attorney for Applicant(s)

**RESPONSE TO NOTICE TO FILE MISSING PARTS  
OF NONPROVISIONAL APPLICATION**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

This is in response to the Notice to File Missing Parts of Non-provisional Application dated June 1, 2001.

Applicants have enclosed herewith the basic filing fee, a signed Declaration and Power of Attorney and a late filing fee. Applicants have also enclosed herewith new drawing sheets corresponding to drawing Figures 1-21. Please substitute the enclosed drawing sheets containing

09812021-080601  
T09080-12021850

informal versions of Figures 1-21 (24 sheets) for the corresponding drawing sheets currently in the application.

Applicant is entitled to Small Entity status and thus the Small Entity filing fee and surcharge have been paid.

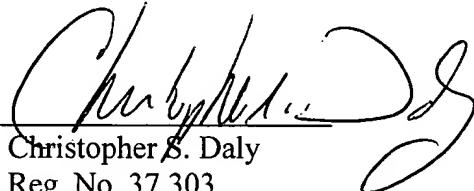
The Assistant Commissioner is hereby authorized to charge payment of any additional fees associated with this communication or credit any overpayment to Deposit Account No. 500845.

If there are any questions concerning this submission or this application, the Assistant Commissioner is respectfully invited to contact the undersigned attorney.

Respectfully submitted,

DALY, CROWLEY & MOFFORD, LLP

By: \_\_\_\_\_

  
Christopher S. Daly  
Reg. No. 37,303  
Attorney for Applicant(s)

Dated: 1 AUG 01

275 Turnpike Street, Suite 101  
Canton Massachusetts 02021-2310  
Telephone: (781) 401-9988  
Facsimile: (781) 401-9966

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Please type a plus sign (+) inside this box → ☒

PTO/SB/21 (6-98)  
Approved for use through 09/30/2000. OMB 0651-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>	Application Number	09/812,021	
	Filing Date	March 19, 2001	
	First Named Inventor	Margrit Betke, et al.	
	Group Art Unit	Not yet assigned	
	Examiner Name	Not yet assigned	
Total Number of Pages in This Submission	34	Attorney Docket Number	MGH-010AUS

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input checked="" type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)-Formal	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Response	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Additional Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	Return-receipted postcard;
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Small Entity Statement	24 sheets informal dwgs;
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Request for Refund	Missing Parts Notice (copy);
<input type="checkbox"/> Response to Missing Parts/Incomplete Application		Declaration and Power of Attorney;
<input checked="" type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	Remarks	In the event a petition for extension of time is required by this paper and not otherwise provided, such petition is hereby made and authorization is provided herewith to charge deposit account No. 500845 for the cost of such extension.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Christopher S. Daly, Reg. No. 37,303 Daly, Crowley & Mofford, LLP
Signature	
Date	1AUG01

CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date: 1AUG01	
Typed or printed name	Christopher S. Daly
Signature	
Date	1AUG01

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



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PTO/SB/17 (09-00)  
Approved for use through 10/31/2002. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

# FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$) **420**

## Complete if Known

Application Number	09/812,021
Filing Date	March 19, 2001
First Named Inventor	Margrit Betke, et al.
Examiner Name	Not Yet Assigned
Group Art Unit	
Attorney Docket No.	MGH-010AUS

## METHOD OF PAYMENT

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number **50-0845**  
Deposit Account Name **Daly, Crowley & Mofford, LLP**

☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

☒ Applicant claims small entity status. See 37 CFR 1.27

2. ☒ Payment Enclosed:

☒ Check ☐ Credit card ☐ Money Order ☐ Other

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity	Small Entity	Fee Code	Fee Code	Fee Description	Fee Paid
101	710	201	355	Utility filing fee	355
106	320	206	160	Design filing fee	
107	490	207	245	Plant filing fee	
108	710	208	355	Reissue filing fee	
114	150	214	75	Provisional filing fee	

SUBTOTAL (1) (\$) **355**

### 2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
20**	0	9	0
Independent Claims	3**	0	40
Multiple Dependent			

Large Entity	Small Entity	Fee Code	Fee Code	Fee Description
103	18	203	9	Claims in excess of 20
102	80	202	40	Independent claims in excess of 3
104	270	204	135	Multiple dependent claim, if not paid
109	80	209	40	** Reissue independent claims over original patent
110	18	210	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) **0**

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Code	Fee Code	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	65
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for ex parte reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	390	216	195	Extension for reply within second month	
117	890	217	445	Extension for reply within third month	
118	1,390	218	695	Extension for reply within fourth month	
128	1,890	228	945	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,240	241	620	Petition to revive - unintentional	
142	1,240	242	620	Utility issue fee (or reissue)	
143	440	243	220	Design issue fee	
144	600	244	300	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional applications	
126	240	126	240	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	710	246	355	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	710	249	355	For each additional invention to be examined (37 CFR § 1.129(b))	
179	710	279	355	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

\* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) **65**

## SUBMITTED BY

Name (Print/Type) **Christopher S. Daly**

Registration No. (Attorney/Agent) **37,303**

## Complete (if applicable)

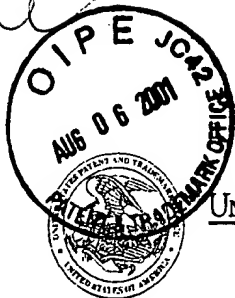
Telephone **781.401.9988 ext. 11**

Signature

Date **1 AUG 01**

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



Docketed 8-15-01

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Page 1 of 2

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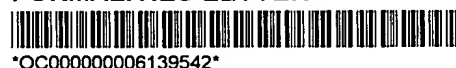
COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/812,021	03/19/2001	Margrit Betke	MGH-010AUS

CONFIRMATION NO. 9308

022494  
DALY, CROWLEY & MOFFORD, LLP  
SUITE 101  
275 TURNPIKE STREET  
CANTON, MA 02021-2310

FORMALITIES LETTER



\*OC000000006139542\*

Date Mailed: 06/01/2001

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

### Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.  
*Applicant must submit \$ 710 to complete the basic filing fee and/or file a small entity statement claiming such status (37 CFR 1.27).*
- The oath or declaration is missing.  
*A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.*
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- **The balance due by applicant is \$ 840.**

The application is informal since it does not comply with the regulations for the reason(s) indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Substitute drawings in compliance with 37 CFR 1.84 because:
  - drawing sheets do not have the appropriate margin(s) (see 37 CFR 1.84(g)). Each sheet must include a top margin of at least 2.5 cm. (1 inch), a left side margin of at least 2.5 cm. (1 inch), a right side margin of at least 1.5 cm. ( 5/8 inch), and a bottom margin of at least 1.0 cm. (3/8 inch);
  - more than one figure is present and each figure is not labeled "Fig." with a consecutive Arabic numeral (1, 2, etc.) or an Arabic numeral and capital letter in the English alphabet (A, B, etc.)(see 37 CFR 1.84(u)(1));

08/08/2001 BNGUYEN1 00000066 09812021

01 FC:201  
02 FC:205

355.00 OP  
65.00 OP

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*A copy of this notice MUST be returned with the reply.*

*T. A. H. & M.*  
\_\_\_\_\_  
Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

09812021-080601  
T09080-12021850